

In the Claims:

Please cancel claims 1-20, without prejudice, and add new claims 21-40 as follows:

1-20 (Canceled)

21. (New) A method for controlling drilling of a wellbore, comprising:

running an electrical transmitting tubular string into the wellbore, the string having a tool that changes shape disposed therein and an automated downhole device disposed between a drill bit and the tool that changes shape; and

actuating the downhole device through communications with the downhole device via the string and an electrical transmission path across the tool.

22. (New) The method of claim 21, further comprising transmitting a signal from at least one sensor located below the tool and adjacent the drill bit, wherein transmitting the signal is via the string and the electrical transmission path across the tool that changes shape.

23. (New) The method of claim 22, wherein the at least one sensor measures temperature.

24. (New) The method of claim 22, wherein the at least one sensor measures pressure.

25. (New) The method of claim 22, wherein the at least one sensor measures chemical characteristics of a fluid around the drill bit.

26. (New) The method of claim 21, wherein the downhole device is a thruster and actuating the thruster is by an electrical transmission from a surface of a well.

27. (New) The method of claim 21, wherein the downhole device is a drilling hammer and actuating the drilling hammer is by an electrical transmission from a surface of a well.

28. (New) The method of claim 21, wherein the downhole device is a stabilizer and actuating the stabilizer is by an electrical transmission from a surface of a well.
29. (New) The method of claim 21, wherein the downhole device is a rotatable steering apparatus and actuating the rotatable steering apparatus is by an electrical transmission from a surface of a well.
30. (New) The method of claim 21, wherein the downhole device is a vibrator and actuating the vibrator is by an electrical transmission from a surface of a well.
31. (New) An electrical transmitting tubular tool string, comprising:
 - a tool that changes shape disposed in the string, wherein the tool provides an electrical transmission path across the tool; and
 - a downhole device disposed between a drill bit and the tool, wherein the downhole device is automated by communications between the surface and the downhole device via the string and the electrical transmission path.
32. (New) The string of claim 31, further comprising transmitting a signal from at least one sensor below the tool and adjacent the drill bit, wherein transmitting the signal is via the string and the electrical transmission path across the tool.
33. (New) The string of claim 32, wherein the at least one sensor measures temperature.
34. (New) The string of claim 32, wherein the at least one sensor measures pressure.
35. (New) The string of claim 32, wherein the at least one sensor measures chemical characteristics of a fluid around the drill bit.
36. (New) The string of claim 31, wherein the downhole device is a thruster actuated by an electrical transmission from a surface of a well.

37. (New) The string of claim 31, wherein the downhole device is a drilling hammer actuated by an electrical transmission from a surface of a well.

38. (New) The string of claim 31, wherein the downhole device is a stabilizer actuated by an electrical transmission from a surface of a well.

39. (New) The string of claim 31, wherein the downhole device is a rotatable steering apparatus actuated by an electrical transmission from a surface of a well.

40. (New) The string of claim 31, wherein the downhole device is a vibrator actuated by an electrical transmission by an electronic signal from a surface of a well.

41. (New) A method of operating a jarring tool, comprising:
lowering the jarring tool in a wellbore disposed on a string comprising a signal transmitting tubular; and
sending an electrical signal from a surface of the wellbore to the jarring tool to actuate the jarring tool, the electrical signal traveling through the signal transmitting tubular.

42. (New) A method of operating a drilling hammer, comprising:
running an electrical transmitting tubular string into the wellbore, the string having a drilling hammer disposed therein; and
automating the drilling hammer by electrical transmissions between a surface of a well and the drilling hammer via the electrical transmitting tubular.

43. (New) A downhole tool string, comprising:
an electrical transmitting tubular string; and
an automated drilling hammer operated by electrical transmissions between a surface of a well and the drilling hammer via the electrical transmitting tubular.

44. (New) A method of operating a vibrator, comprising:

running an electrical transmitting tubular string into the wellbore, the string having a vibrator disposed therein; and

automating the vibrator by electrical transmissions between a surface of a well and the vibrator via the electrical transmitting tubular.

45. (New) A downhole tool string, comprising:
- an electrical transmitting tubular string; and
 - an automated vibrator operated by electrical transmissions between a surface of a well and the vibrator via the electrical transmitting tubular.